

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/NO 2004/000074

## A. CLASSIFICATION OF SUBJECT MATTER

**IPC7: C22C 21/00, C22F 1/04**

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

**IPC7: C22C, C22F**

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

**SE,DK,FI,NO classes as above**

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

**EPO-INTERNAL, WPI DATA**

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 3827917 A (P.P. ZEIGLER ET AL), 6 August 1974 (06.08.1974), column 2, line 13 - column 3, line 45	1-6,7,8
A	--	9-11
X	US 6344096 B1 (STEPHEN F. BAUMANN ET AL), 5 February 2002 (05.02.2002), column 1, line 36 - line 56; column 3, line 25 - line 51	1-6,7,8
A	--	9-11

☒ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

**8 July 2004**

Date of mailing of the international search report

**13 -07- 2004**

Name and mailing address of the ISA/

Swedish Patent Office

Box 5055, S-102 42 STOCKHOLM

Facsimile No. +46 8 666 02 86

Authorized officer

**Nils Engnell/MP**

Telephone No. +46 8 782 25 00

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/NO 2004/000074

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4334935 A (LARRY R. MORRIS), 15 June 1982 (15.06.1982), column 1, line 1 - column 2, line 45	1-6,7,8
A	--	9-11
A	GB 1457697 A (SOUTHWIRE COMPANY), 8 December 1976 (08.12.1976), page 1, line 72 - page 2, line 41; page 4, line 18 - line 45	1-6,7-11
A	--	
A	US 4021271 A (SIDNEY G. ROBERTS), 3 May 1977 (03.05.1977), column 1, line 44 - column 2, line 59	1-6,7-11
A	--	
A	US 3852122 A (AKSEL OLA AARFLOT ET AL), 3 December 1974 (03.12.1974), column 2, line 19 - line 63	1-6,7-11
	-- -----	

**INTERNATIONAL SEARCH REPORT**  
Information on patent family members

30/04/2004

International application No.

PCT/NO 2004/000074

US	3827917	A	06/08/1974	DE	2029584 A	23/12/1970
				GB	1286720 A	23/08/1972
				JP	48037492 B	12/11/1973

---

US	6344096	B1	05/02/2002	NONE		
----	---------	----	------------	------	--	--

---

US	4334935	A	15/06/1982	AU	541329 B	03/01/1985
				AU	6976181 A	05/11/1981
				BR	8102605 A	19/01/1982
				CA	1137391 A	14/12/1982
				DE	3168588 D	00/00/0000
				EP	0039211 A,B	04/11/1981
				ES	501678 A	01/04/1982
				ES	8203975 A	16/07/1982
				GB	2075059 A,B	11/11/1981
				JP	1512058 C	09/08/1989
				JP	56169758 A	26/12/1981
				JP	63057492 B	11/11/1988
				MX	154956 A	14/01/1988
				ZA	8102645 A	28/04/1982

---

GB	1457697	A	08/12/1976	IT	1046736 B	31/07/1980
				ZA	7401430 A	26/02/1975

---

US	4021271	A	03/05/1977	NONE		
----	---------	---	------------	------	--	--

---

US	3852122	A	03/12/1974	AT	210273 A	15/04/1975
				AT	327573 B	10/02/1976
				AU	474737 B	29/07/1976
				AU	5298773 A	12/09/1974
				BR	7301720 D	00/00/0000
				CA	992358 A	06/07/1976
				CH	598355 A	28/04/1978
				DE	2311509 A	13/09/1973
				ES	412459 A	01/01/1976
				FR	2175850 A,B	26/10/1973
				GB	1419691 A	31/12/1975
				IN	138730 A	20/03/1976
				IT	980423 B	30/09/1974
				JP	49001418 A	08/01/1974
				NL	7303409 A	12/09/1973
				NO	131035 B,C	16/12/1974
				RO	62272 A	15/08/1977
				SE	396774 B,C	03/10/1977

---